

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

			He file reference			Can Naugaara	of Transmittet of Internation	nel len
Applicant's or agent's file reference 14726/WO/02 International application No.			ITS THE PETERBICE	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)				
			ation No.	International filing date (d	ay/month	vyear)	Priority date (day/month/year)	
PCT/	PCT/IL 03/01111			29.12.2003			06.01.2003	
	ational (3/40	Pater	t Classification (IPC) or bo	oth national classification an	nd IPC			
Applic BRO		CO	MPOUNDS LTD. et a	al.				
1.	This i	intern ority a	ational preliminary exa and is transmitted to the	mination report has been applicant according to A	prepare Article 36	ed by this Inte 6.	rnational Preliminary Ex	amining
2.	2. This REPORT consists of a total of 6 sheets, including this cover sheet.							
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
	Thes	e anr	nexes consist of a total	of 4 sheets.				
	· · · ·							
3.	This	repor	t contains indications re	elating to the following ite	ems:			
	i	Ø	Basis of the opinion					
	II		Priority				•	
	111	\boxtimes	Non-establishment of	opinion with regard to no	ovelty, inventive step and industrial applicability			
	IV		Lack of unity of inven					
	٧	×	Reasoned statement citations and explana	under Rule 66.2(a)(ii) wit tions supporting such sta	th regar stement	d to novelty, ir	nventive step or industria	l applicability;
1	VI		Certain documents ci	ited				
ļ	VII		Certain defects in the	international application	+			
	VIII		Certain observations	on the international appli	ication			
Date	of sub	missk	on of the demand		Date of	completion of t	his report	
27.0	07.20	04			07.04	.2005	. ,	
Name and malling address of the International preliminary examining authority:			onal	Author	ized Officer			
Pieii	кату	. El	ropean Patent Office		l			
			80298 Munich II. +49 89 2399 - 0 Tx: 523	3656 epmu d	Jochi	neim, J		
-			ix: +49 89 2399 - 4465	•	Teleph	one No. +49 89	2399-8632	



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I. Basis	of the	report
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 With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	cription, Pages					
	1-37	,	as originally filed				
	.	N and and					
		ms, Numbers					
	1-24		received on 25.01.2005 with letter of 23.01.2005				
2.	With lang	n regard to the langua Juage in which the into	age, all the elements marked above were available or furnished to this Authority in the emational application was filed, unless otherwise indicated under this item.				
	The	se elements were available or furnished to this Authority in the following language: , which is:					
		the language of a tra	nslation furnished for the purposes of the international search (under Rule 23.1(b)).				
		the language of publi	cation of the international application (under Rule 48.3(b)).				
		the language of a tra Rule 55.2 and/or 55.3	nslation furnished for the purposes of international preliminary examination (under 3).				
3.	With	n regard to any nucle mational preliminary (otide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:				
		contained in the inter	rnational application in written form.				
		filed together with the	e international application in computer readable form.				
		furnished subsequer	itly to this Authority in written form.				
		furnished subsequer	itly to this Authority in computer readable form.				
The statement that the subsequently furnished written sequence listing does not g in the international application as filed has been furnished.			ne subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.				
The statement that the informati listing has been furnished.			ne information recorded in computer readable form is identical to the written sequence shed.				
4.	The	amendments have re	esulted in the cancellation of:				
		the description,	pages:				
		the claims,	Nos.:				
		the drawings,	sheats:				
5. This report has been established as if (some of been considered to go beyond the disclosure of the			established as if (some of) the amendments had not been made, since they have go beyond the disclosure as filed (Rule 70.2(c)).				
		(Any replacement streport.)	neet containing such amendments must be referred to under item 1 and annexed to this				
6.	Add	ditional observations,	if necessary:				

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111.	Nor	n-establishment of opinion wit	th rega	ird to novel	ty, inventive step and industrial applicability			
 The questions whether the claimed invention appears to be novel, to involve an inventive step (to be no obvious), or to be industrially applicable have not been examined in respect of: 					to be novel, to involve an inventive step (to be non- examined in respect of:			
		the entire international applicat	ion,					
	×	claims Nos. 3						
because:								
		the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):						
		the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):						
	Ø	the claims, or said claims Nos. 3 are so inadequately supported by the description that no meaningful opinion could be formed.						
		no international search report has been established for the said claims Nos.						
2.	or a	paningful international preliminary examination cannot be carried out due to the failure of the nucleotide and nino acid sequence listing to comply with the standard provided for in Annex C of the Administrative uctions:						
		the written form has not been furnished or does not comply with the Standard.						
		the computer readable form ha	as not	been fumish	ed or does not comply with the Standard.			
V.	Re-	asoned statement under Artic ations and explanations supp	le 35(2 orting	2) with regar	rd to novelty, inventive step or industrial applicability; nent			
1.	Sta	tement						
	No	velty (N)	Yes: No:	Claims Claims	1,2,4-11 12-24			
	Inv	entive step (IS)	Yes: No:	Claims Claims	1,2,4-11 12-24			
	Ind	lustrial applicability (IA)	Yes:	Claims	1,2,4-24			

No: Claims

2. Citations and explanations

see separate sheet

Re Item III

 Claim 3 is directed to an number of possible derivatives of TBBA for which there is no support in the description as originally filed. Since claim 3 thus lacks support from the description, no opinion can be established on the unsupported subject-matter.

Re Item V

Reasoned statement under Article 35(2) PCT with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The following documents (D) are considered to be of relevance for the application; the numbering will be adhered to in the rest of the procedure:

- D1: US-A-3 284 512 (HENNIS HENRY E ET AL) 8 November 1966 (1966-11-08)
- D2: DATABASE WPI Section Ch, Week 200013 Derwent Publications Ltd., London, GB; Class A21, AN 2000-142714 XP002276987 & JP 2000 007896 A (NIPPON KAYAKU KK), 11 January 2000 (2000-01-11)
- D3: WO-A-03/009981 (BROMINE COMPOUNDS LTD ;GOHARY JOSSEF (IL)) 6 February 2003 (2003-02-06)
- **D4**: PATENT ABSTRACTS OF JAPAN vol. 1997, no. 06, 30 June 1997 (1997-06-30) & JP 09 048899 A (JAPAN SYNTHETIC RUBBER CO LTD), 18 February 1997 (1997-02-18)
- D5: DATABASE WPI Section Ch, Week 199422 Derwent Publications Ltd., London, GB; Class E14, AN 1994-176961 XP002276968 & CN 1 075 673 A (CHANG S), 1 September 1993 (1993-09-01)

(Not necessarily all documents are referred to in this communication, but may become of higher importance during the procedure. This does not exclude the possibility that also additional documents may be added to the list during the procedure.)

The following abbreviations in parentheses apply to this document: page (p), column (co), line (l), example (ex), claim (cl).

1. Article 33(2) PCT (Novelty)

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT - SEPARATE SHEET

- 1.1 Claim 1 meets the requirement of **Article 33(2) PCT**, because the use of Tetrabromobisphenol A as an antifungal agent for wood preservation is not disclosed in any of **D1-D5**.
- 1.2 Claims 2 and 4-11 are preferred manners of the usage according to claim 1 and therefore also meet the requirement of **Article 33(2) PCT**.
- 1.3 Since the intended use of a composition is not regarded as a technical feature in composition claims and does not limit the scope of such claims. Claims 12-21 are therefore regarded as compositions per se. Claim 12 amounts to claiming a known composition, namely TBBA (tetrabromobisphenol A). TBBA is at least known from each document D1, D2, D4, and D5. Hence the subject-matter of claim 12 does not meet the requirements of Article 33(2) PCT.
- 1.4 As regards claim 22: a method for preserving wood, comprising impregnating wood with a solution comprising TBBA as an active ingredient is known from D5. Hence the subject-matter of claim 22 does not meet the requirements of Article 33(2) PCT.
- 1.5 As regards claim 24: claim 24 is formulated in a product by process style. Such claims are only allowable if the product as such meets all requirements of **Article 33**PCT. This is however not the case, because a wood product containing TBBA is known from **D5**. Claim 24 is therefore not allowable.
- 2. Article 33(3) PCT (Inventive Step)
- 2.1 The closest prior art for the subject-matter of claim 1 is seen in D5, because it discloses the use of tetrabromobisphenol A as an impregnating agent for wood. However, in D5 the TBBA is used as a fire retarder. There is no hint given towards the use of TBBA as a fungicide. The fungicidal properties of TBBA are mentioned in D1 and D4, but not in context as wood preservatives. There is therefore no incentive to combine the teachings of D5 with any of D1 or D4. An inventive step in the subject-matter of claim 1 is therefore acknowledged.
- 2.2 The dependent claims 12-21, and 23 do not fulfill the requirements of Article 33 PCT because their subject-matter is either known from D1 or D2 or D4 or D5 or they

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EXAMINATION REPORT - SEPARATE SHEET

merely represent a choice among obvious design possibilities from which a person skilled in the art would choose without use of inventive skill in order to arrive at the solution of the problem posed or they do not add any unexpected effect over what is known from the prior art.

- Article 33(4) PCT (Industrial Applicability) 3.
- 3.1 Industrial applicability is given, claims 1, 2, and 4-24 meet the requirements of Article 33(4) PCT.
- Certain published documents (Rule 70.10 PCT)

Application No	
Patent No	

Publication date (day/month/year)

Filing date (day/month/year) Priority date (valid claim) (day/month/year)

WO-A-03/009981

06.02.2003

04.07.2002

26.07.2001